

# Rockwell Collins SAT-2200



## Satellite communications that keep you connected.

Passengers don't just dream of a day when in-flight broadband is always available. They are already demanding it. From smartphones and iPhones, to text and email messages, more and more passengers expect business as usual in the air.

In addition to meeting passenger connectivity needs, the Rockwell Collins SAT-2200 provides countless cockpit communication benefits for a safe flight, every time. The SAT-2200 complies with the latest ARINC 781 industry standard for Inmarsat SATCOM capability for classic Aeronautical, Swift64, and SwiftBroadband operation.

Even though the SAT-2200 is one of the lightest, smallest and most affordable SATCOMs on the market, it is designed to maximum efficiency and scalability. The Satellite Data Unit (SDU) has a built-in amplifier or, depending upon installation constraints, it can be paired with an external Flange Mounted Power Amplifier (FMPA).

The SAT-2200 is designed to work with the latest Inmarsat-approved High Gain Antenna systems (HGA) including a Diplexer Low Noise Amplifier (DLNA), and a Configuration Module (CM). The fact that Rockwell Collins provides the HGA-2100, DLNA-2100, and HCM-2100 ensures ease of installation of your complete SATCOM system, not to mention a single source for service when needed.

Each Software Defined Radio (SDR) channel card performs failure reversion to the required cockpit safety (Classic Aero) function. The Rockwell Collins SATCOM system is designed to maintain communications without pilot intervention during all flight phases. Handover between satellites and spot beams is accomplished automatically, based on preferences contained in the Secure ORT as defined in ARINC 781.

The normal configuration gives preference to the voice and data safety services provided by satellites and ground stations supporting Classic Aero services. Second priority is to maintain SwiftBroadband services, with the capability to fall back to Swift64 operation in the event of a SwiftBroadband outage.

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## FEATURES AND BENEFITS

- Latest SDR Technology with Failure Reversion
- Valid for both Cockpit and Cabin communication
- World's Smallest Full Featured Cockpit and Cabin SATCOM
- World's Lowest Drag, High Performance, ARINC 781 PIM Approved Antenna
- Compact Solution: the SATCOM embeds the ARINC 741 HPA, SDU, RFU and HST functions in a single 6 MCUs unit.
- Modular Solution: the Rockwell Collins solution is also a product line able to fit installations with or without external FMFA.

## SPECIFICATIONS

	SDU	FMFA	SCM
Weight	11.34 kg (25 lb)	6.8 kg (15 lb)	.34 kg (.75 lb)
Height	199.39 mm (7.85 in)	136.14 mm (5.36 in)	25.4 mm (1 in)
Width	261.62 mm (10.3 in)	238 mm (9.37 in)	101.6 mm (4 in)
Length	322.58 mm (12.7 in)	324.61 mm (12.78 in)	114.3 mm (4 in)
Cooling	ARINC 600 cooling air	ARINC 781	No cooling air required

## SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

### Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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